

Figure 1:

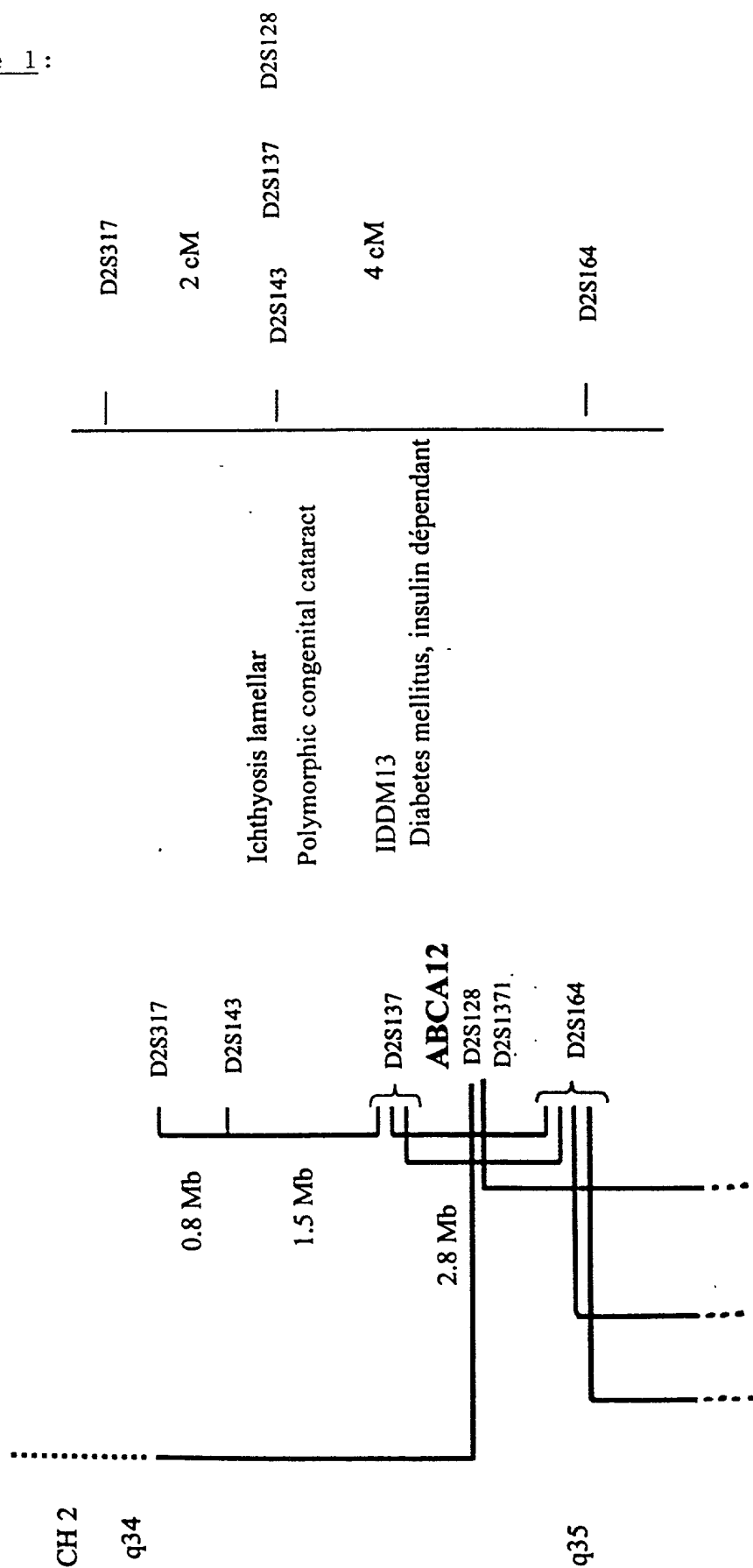


Figure 2:**SEQ ID NO: 1**

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Figure 3**SEQ ID NO: 2**

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 GCCATTATGTTGAATGGAAAGTTCAATGTGATTTGGATCTTTGCAGCACATAAAGAGCAGGTTTG
 60 GACGAGGATTTACTGTCAAAGTTCACTTGAAGATAACAAAGTGACCATGGAGACCCTCACAAA
 GTTCATGCAGCTGCACTTTCCAAAACATACCTTAAAGATCAGCACCTCAGCATGCTAGAGTAT
 CATGTACCAGTCACAGCAGGAGGAGTCGCAACATTTTTGATCTGCTGGAAACCAACAAGACTG

CTTTAAATATTACAAATTTCTTAGTGAGTCAGACCACTCTGGAAGAGGTTTTTCATCAACTTTGC
CAAAGACCAGAAGTCCTATGAACTGCTGATACCAGCAGCCAAGGTCCACTATAAGTGTGAC
TCACAAGATGACCAGATGGAGTCT**TAA**CACTTCCAGCAAACCTCAATCTCAGCGTGTGACCAATG
GCTTCATTTTGAAGAAAAGCCACAGAAGATACACTTCCGCAAGATATCTTCATTTTAAAGTAAA
5 GTAATATACTGTATGGAAGTTACAACCTGTGTTAGACTAACAAGTAATTATAAAAAGGAAATTTT
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CATGCTAATGTATATGCTGGTGATTCTTATGCAAAGGTGAAGCCACCTCAAGATGAATATCTTA
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10 TCCAGAAAACAACAGAATGAACATCATCATGAATACATGAATCGGCTGTGATGTGTGAACCTGCT
AAGGGCCAAATGAACGTTTGNAGAGCAGTGGGCACAATGTTTACAATGTATGNGTATGTCACCT
TCGGTACCNGTGAATGCATGGGGACGTGCTGAACCCGAAAAAAAGTGCCTTTCCATAAGGACTG
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CAATAGTAAGCTGCAGGGTGAACAAGAAATCACTTGCTCTGGGGGGAAGGGAGGGGGGAATGG
15 GTGTGTCAGCTGGGTAGATACAAACCCTGAAAAGAGAATCCATGTGCTNCTGGCAGGCAACATT
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GAAAACGAATATGAAGATAATTTTCAGCTAATTATCTGGGTGACCCAGAATCGTGTATATGGCT
ATAGGATAGACTTCTTAATAATGGCAAGTGACGTGGCCCTGGGGAAAGGTGCTTTATGTACCGT
GTGTGCGTGTATGTGTGTGTATCTATACAAGTTTGTGAGCTTTGGCATGACTGTTTGTCTCGAA
20 AACC**ATA**AACTCAAAGTTTAGAAAACTCAAAAAAAAAAAAAA

Figure 4**SEQ ID NO: 3**

5 GAAGAGTTGATTGAGAAGTGCCTCTTGGTTAAGGATTAACCACAGGGAAAAATCCAGCAGAAAC
 AGAAGAAGTGTGGGTTTCTTACCCAGCCCTCAAGGAAGCTATGCCGTGAAAGGGGTACTGATA
 CACTGACATACAGCAAGTTGGACGGGGCATCAGTTCTTCATTTGTGGAGTGGAGAAAAGAAGAG
 10 GAAATCTCTCATTGTTGGGGCATTGAAGG**ATG**GCTTCCCTGTTTCATCAGCTTCAGATCCTGGTC
 TGGAAAAATTGGCTAGGTGTAAAAAGGCAGCCGCTTTGGACACTTGTCTTGATCTTATGGCCAG
 TCATTATTTTCATAATTTTGGCTATTACTCGGACCAAAATTCCTCCAAGTCAAAAACCAACTTG
 TTACCTCGCACCTCGAAACCTTCCTAGTACTGGATTCTTTCCATTCCTGCAGACCCCTACTCTGT
 GACACAGACTCTAAATGCAAAGACACACCCATAGTGGCCCAAGATCTGCTTCGTAGGAAAGGAA
 TTGATGATGCACTATTTAAAGACAGTGAGATTCTGAGAAAGTCATCCAACCTGGATAAGGACAG
 15 CAGTTTATCATTCAGAGCACCAAGTTCAGAAAGAAGGCATGCATCACTAGCCACAGTATTT
 CCCAGTCCAAGTTCGTATTGGAATCCCCGGAACATATACTTTCAATGGCAGTCAAGTGCTCG
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 AATGTTTTTAAACAAATTTTGCCTTTCTAACATGACCCCTTTTAGAGTCTTCTCTCCAAGAACTAA
 20 CAAACAGTCTCCAGCTATCCAGTGACCCCAACAATCAGAAGATAGTGTTCAGGAAATAGT
 CAGAATGCTGTCTTTCTTCTCACAAAGTGCAAGAGCAGAAAGCTGTGTGGCAGCTTCTGTCTAGT
 TTTCCAAATGTGTTTTCAGAATGACACATCACTAAGCAATCTATTTGATGTTCTTCTCGAAAGCAA
 ACAGTGTGCTGCTGGTTGTGTCAGAAGGTTTATCCACGTTTTCGCAACTAACGAAGGTTTCAGAAC
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 25 AATATAACGCATGTGTGGAATGAGGATGATGGACAGACCTTATCTCCAAGCAGTCTGGCTGCAC
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 40 GTGTTTTTCCCGAGGAAAGATCAAAAGCCAGTAGAAAAGATGATGGAGCTCTTCATAAGACTAA
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 55 GGAAATGTCCTTTCTTCTCTCTGTATATAAATATACCATCCGGATGAGTCTCAAGACCGCACAGA
 CCACAAGAAGCCTAAGAACCAAGATTTGGGCTCCAGGGCCACACAATTCTCCATCACACAACCA
 GATCTATGGCAGGGCTTTTATTTATTTACAGGATAGTATTGAAAGAGCAATCATTTGAATTGCAA
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 AAGACAACCTTCTAACCAGTGTCTCTTATTTCTTCCAAATTGTGCTTATGGTTGCCTGGGTTGT
 60 ATTTATAGCTGCCTTTGTAAAAAGCTTGTCTATGAGAAAGACCTCCGGCTTCATGATGATG
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 10 CTAACATCATGATGCAGAACACCAACCCATCTGCCAGTCTGAATACATGTTTTCTCTAACAT
 CGAGCCTGAACCTAAAGATCTCACAGTCGGGGTTGCCCTGCATGGGGTCACAAAGATCTATGGC
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 GGCCCAATGGAGCTGGGAAAACCTACTACCATTTCATGTAACTGGGCTGTTTGGGGCCTCAGC
 AGGCACCATTTTTGTATATGGAAAAGATATCAAAACAGACCTACACACGGTACGGAAGAACATG
 15 GGATCTGTATGCAGCACGACGTCTTGTTCAGTTACCTCACTACTAAGGAGCACCTTCTCCTAT
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 20 CAGAACAAATCATTTCTGTCAACGCACCACTTGGACGAGGCTGAAGTGCTGAGTGACCGCATCGCC
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 CACCATGGCCGTGACAGCAATGATCCAATCAGATCTCCCCGAAGCCTACCTCAAGGAGGATATT
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 25 TCCTACGGGCACTCGACAATGGCATGGGTGACCTCAACATCGGGTGCTACGGCATTTTCAGATAC
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 30 CGCAGGAACCTGGAAAGGTCTCATTGCTCAGGTTATCCTCCCCATCGTCTTTGTTGACCAAGCCT
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 45 TTCTACAGTGAAAAACAACCTAGGCGCTGTATCTCTCCTACTTCTCCTGTTTGGGCATGCAACAT
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 50 CTTCTTAAAGCATATGGAGTGAATACCCAAATGAAACCTTTGAGATGAATAAACTAGGTGCA
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 55 ACAACATCAGCATCGGGATACCTGCTGGAGAGTGTTTTGGGCTTCTTGGAGTGAATGGAGCAGG
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 60 CCCTTCAAGGACAGAGCTACCTCTATGTGCAGTTATGGCACAAAAAGAAAATTATCCACTGCAC
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AGTTTCAATGTATTGGATCTTTGCAGCACATAAAGAGCAGGTTTGGACGAGGATTTACTGTCAA
AGTTCACTTGAAGAATAACAAAGTGACCATGGAGACCCTCACAAAGTTCATGCAGCTGCACTTT
5 CCAAAAACATACTTAAAAGATCAGCACCTCAGCATGCTAGAGTATCATGTACCAGTCACAGCAG
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10 CCACAGAAGATACACTTCCGCAAGATATCTTCATTTTAAAGTAAAGTAATATACTGTATGGAAA
GTTACAACGTGTGTAGACTAACAAGTAATTATAAAAGGAAATTTTTCCTTCTAAGGTCAGTGAG
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AAGACAGTTTAAAAGGCCAAAAAAAAAAAAA

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Figure 5:**SEQ ID NO: 4**

5 GAAGAGTTGATTGAGAAGTGCCTCTTGGTTAAGGATTAACCACAGGGAAAAATCCAGCAGAAAC
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 GAAATCTCTCATTGTTGGGCATTTGAAGG**ATGG**CTTCCCTGTTTCATCAGCTTCAGATCCTGGTC
 10 TGGAAAAATTGGCTAGGTGTAAAAAGGCAGCCGCTTTGGACACTTGTCTTGATCTTATGGCCAG
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 15 CCCAGTCCAAGTTCTGATTTGGAAATCCCCGGAACATATACTTTCAATGGCAGTCAAGTGCTCG
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 20 CAGAAATGCTGTCTTTCTTCTCACAAGTGCAAGAGCAGAAAGCTGTGTGGCAGCTTCTGTCTAGT
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 25 AGCTCCTAATTCTGGAAAATTTGAAGATGCCCTCTTAAATATATCAGCAAATAGTCCTTATAT
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 35 AGATTAAAGGAGAACAACAGGAATGTCCAACAGGACTATTGACAAGTTGCTGGCCATTTCCATC
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 25 CAAGAGGTTCCACCACGCCCGCAGGAACCTGGAAGGTCTCATTTGCTCAGGTTATCCTCCCCATC
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 45 AACAACAGTCGGTCTAGACTTCTTAAAAGCATATGGAGTGAATACCCAAATGAAACCTTTGA
 GATGAATAAACTAGGTGCAATGTTTGTGGCTTTGGTTTCTCAGGGCACCATGTTTTTTTCTTG
 CGACTCTTAATCAACGAATCCCTGATAAAGAACTCAGGCTTTTCTTCAGAAAATTTAATTCTT
 CACATGTAAGGGAGACAATAGATGAGGATGAAGATGTGCGGGCTGAGAGATTAAGAGTTGAGAG
 TGGTGCAGCTGAATTTGACTTGGTCCAACCTTTATTGTCTCACAAGACCTACCAACTTATCCAC
 50 AAAAAGATTATAGCTGTAAACAACATCAGCATCGGGATACCTGCTGGAGAGTGTTTTGGGCTTC
 TTGGAGTGAATGGAGCAGGAAAAGACCACTATATTCAAGATGCTGACAGGAGACATCATTCCTTC
 AAGTGGAAACATTCTGATCAGAAAATAAGACCGGATCTCTGGGTACGTTGATTCTCACAGCTCA
 TTAGTTGGCTACTGTCTCAGGAAGATGCCTTAGATGACCTGGTAACCTGTGGAAGAACATTTGT
 ATTTCTATGCCAGGGTACATGGAATTCAGAAAAGGATATTAAAGAACTGTTCAATAAACTCCT
 55 TAGGAGACTTCACCTGATGCCCTTCAAGGACAGAGCTACCTCTATGTGCAGTTATGGCAGAAAA
 AGAAAATTATCCACTGCACTGGCCTTGATAGGGAAACCTTCCATTCTACTGCTGGATGAGCCGA
 GCTCTGGCATGGATCCGAAGTCGAAACGGCACCTCTGGAAGATCATTTCAGAAGAAGTACAGAA
 CAAATGTTCCGTACATCCTCACATCTCACAGCATGGAAGAATGTGAAGCTCTCTGTACCGAGTTG
 GCCATTATGGTGAATGGAAAAGTTTCAATGTATTGGATCTTTGCAGCACATAAAGAGCAGGTTTG
 60 GACGAGGATTTACTGTCAAAGTTCACTTGAAGAATAACAAAGTGACCATGGAGACCTCACAAA
 GTTCATGCAGCTGCACTTTCCAAAAACATACTTAAAGATCAGCACCTCAGCATGCTAGAGTAT
 CATGTACCAGTCACAGCAGGAGGAGTCGCAACATTTTTTGATCTGCTGGAAACCAACAAGACTG

CTTTAAATATTACAAATTTCTTAGTGAGTCAGACCACTCTGGAAGAGGTTTTTCATCAACTTTGC
CAAAGACCAGAAGTCCTATGAACTGCTGATACCAGCAGCCAAGGTTCCACTATAAGTGTGAC
TCACAAGATGACCAGATGGAGTCT**TAA**CACTTCCAGCAAACCTCAATCTCAGCGTGTGACCAATG
GCTTCATTTTGAAGAAAAGCCACAGAAGATACACTTCCGCAAGATATCTTCATTTTAAAGTAAA
5 GTAATATACTGTATGGAAAGTTACAACTGTGTTAGACTAACAAGTAATTATAAAAGGAAATTTT
TCCTTCTAAGGTCAGTGAGTGTTGTTGCTACTGAAATGAATTCCTGTATACTCAACACTGTGAG
CATGCTAATGTATATGCTGGTGATTCTTATGCAAAGGTGAAGCCACCTCAAGATGAATATCTTA
ATTTATTACTTT**CAATAAAA**AAGACAGTTTAAAAGGCAAAAAAAAAAAAAA

10

Figure 6:5 **SEQ ID NO: 5**

MASLFHQILVWKNWLGVRQPLWTLVLILWPVIFIILAITRTKFPPTAKPTCYLAPRNL PSTG
 FFPFLQTLLCDTDSKCKDTPYGPQDLLRRKGIDDALFKDSEILRKSSNLDKDSSLSFQSTQVPERR
 HASLATVFPSPSSDLEIPGTYTFNGSQVLARILGLEKLLKQNSTSEDIRRELCDYSYGYVDDAFS
 10 WTLGRNVFNKFCLSNMTLLESSLQELNKQFSQLSSDPNNQKIVFQEI VRMLSFFSQVQEQKAVWQ
 LLSSFPNVFQNDTSLSNLFDVLRKANSVLLVVQKVYPRFATNEGFR TLQKSVKHLLYTLDS PAQGD
 SDNITHVWNEDDGQTLSPSSLAQLLILENFEDALLNISANSPIYPYLACVRNVTD SLARGSPENL
 RLLQSTIRFKKSFLRNGSYEDYFPVPEVLKSKLSQLRNLTELLCESETFSLIEKSCQLSDMSFGS
 LCEESEFDLQLEAAELGTEIAASLLYHDNVISKKVRDLLTGDP SKINLNM DQFLEQALQMNYLEN
 15 ITQLIPIIEAMLHVNSADASEKPGQLLEMFKNVEELKEDLRRTTGMSNR TIDKLLAIPIDNRAE
 IISQVFWLHSCDTNITTPKLEDAMKEFCNLSLSERSRQSYLIGLTLHLHYLNIYNFTDKVFFPRKDQ
 KPVEKMMELFIRLKEILNQMASGTHPLLDKMRSLKQMHLP RSVP L TQAMYRSNRMNTPQGSFSTIS
 QALCSQGITTEYLTAMLPSQRPKGNHTKDFLT YKLTKEQIASKY GIPINTT PFCFSLYKDIINMP
 AGPVIWAF LK PMLLGRILHAPYNPVTKAIMEKSNVTLRQLAELREKSQEWMDKSP LFMNSFHLLNQ
 20 AIPMLQNTLRNPFVQVFKFSVGLDAVELLKQIDELDILRLKLENNIDIIDQLNTLSSLTVNISSC
 VLYDRIQA AKTIDEMEREAKRLYKSNELFGSVIFKLPSNRSWHRGYDSGNVFLPPVIKYTIRMSLK
 TAQTTRSLR TKIWA PGPHNSPSHNQIYGRAFIY LQDSIERAIIELQTGRNSQEIAVQVQAIPYPCF
 MKDNFLT SVSYSLPIVLMVAWVVFIAAFVKKLVYEKDLRLHEYMKMMGVNSCSHFFAWLIESVGFL
 LVTIVILIIILKFGNLPKTNGFILFLYFSDFS SVIAMS YLISVFFNNTNIAALIGSLIYIIA FF
 25 PFIVLVTVENELSYVLKVFMSLLSPTAFSYASQYIARYEEQGIGLQWENMYTSPVQDDTTSFGWLC
 CLILADSFYFLIAWYVRNVFPGTYGMAAPWYFPI LPSYWKERFGCAEVKPEKSNGLMFTNIMMQN
 TNPSASPEYMFSSNIEPEPKDLTVGVALHGVTKIYGSKVAVDNLNLNFYEGHITSLLGPNAGAKTT
 TISMLTGLFGASAGTIFVYGDIKTDLHTVRKNMGVCMQHDVLF SYLT TKEHLLLYGSIKVPHWTK
 KQLHEEVKRTLKDTGLYSHRHKRVGTLSGGMKRKLSISIALIGGS RVVILDEPSTGVDP CSRRSIW
 30 DVISKNTARTIILSTHHLDEAEVLSDRIAFLEQGG LRCCGSPFYLKEAFGDGYHLTLTKKKSPNL
 NANAVCDTMAVTAMIQSHLPEAYLKEDIGGELVYVLP PFSTKVSGAYLSLLRALDNGMGDLNIGCY
 GISDITVEEVFLNLTKESQKNSAMSLEHLTQKKIGNSNANGISTPDDL SVSSSNFTDRDDKILTRG
 ERLDGFGLLLKKIMAILIKRFHHXRRNWGLIAQVILPIVFVTTAMGLGTLRNSSNSYPEIQISPS
 LYGTSEQTAFYANYHPSTEALVSAMWDFPGIDNMCLNTSD LQCLNKDSLEKWNTSGEPITNFGVCS
 35 CSENVQECPKFNYSPPHRRTYSSQVIYNLTGQRVENYLISTANEFVQKRYGGWSFGLPLTKDLRFD
 ITGVPANRTLAKVWYDPEGYHSLPAYLNSLNNFLLRVNMSKYDAARHGIIMYSHPPYGVQDQEQAT
 ISSLIDILVALSILMGYSVTTASFVTYVVREHQTKAKQLQHISGIGVTCYWVTNFIYDMVFYLV PV
 AFSIGIIAIFKLPAFYSENNLGAVSLLLLLFGHATFSWMYLLAGLFHETGMAFITVVCVNLFFGIN
 SIVLSV VYFLSKEKPNDPTLEL ISETLKRIFLIFPQFCFGYGLIELSQQSVLDLFLKAYGVEYPN
 40 ETFEMNKL GAMFVALVSQGTMMFFSLRLLINESLIKKLRLFFRKFNSSHVRETIDEDEDVRAERLRV
 ESGAAEFDLVQLYCLTKTYQLIHKKIIAVNNISIGIPAGECFGLLG VNGAGKTTIFKMLTGDII PS
 SGNILIRNKTGSLGHVDSHSSLVGYCPQEDALDDLVTVEEHLYFYARVHGIPEKD IKETVHKLLRR
 LHLMPFKDRATSMCSYGT KRKLSTALALIGKPSILLLDEPSSGMDPKSKRHLWKIIISEEVQNKCSV
 ILTSHSMEECEALCTRLAIMVNGKFQ CIGSLQHIKSRFGRGFTVKVHLKNNKVMTETLT KFMQLHF
 45 PKTYLKDQHL SMLEYHVPV TAGGVANIFDLLETNKTALNITNFLVSQTTLEEVFINFAKDQKSYET
 ADTSSQGSTISVDSQDDQMES*

Figure 7:**SEQ ID NO: 6**

5 MASLFHQQLVWKNWLGVKRQPLWTLVLILWPVIFIILAITRTKFPPTAKPTCYLAPRNLP
 TGFFPFLQTLCDTDSKCKDTPYGPQDLLRRKGIDDALFKDSEILRKSSNLDKSSLSFQSTQV
 PERRHASLATVFPSPSSDLEIPGTYTFNGSQVLARILGLEKLLKQNSTSEDIRRELCDYSGYI
 VDDAFSWTFLGRNVFNKFCLSNMTLLESSLQELNKQFSQLSSDPNNQKIVFQEIVRMLSFSSQV
 10 QEQAQVWQLLSSFPNVFQNDTSLSNLFDVLRKANSVLLVVQKVYPRFATNEGFRTLQKSVKHL
 YTLDSPAQGDSDNITHVWNEDDGQTLSPSSLAAQLLILENFEDALLNISANSPIPYLACVRNV
 TDSLARGSPENLRLLQSTIRFKKSFLRNGSYEDYFPPVPEVLKSKLSQLRNLTELLCESETFSL
 IEKSCQLSDMSFGSLCEESEFDLQLEAAELGTEIAASLLYHDNVISSKKVRDLLTGDPKSKINLN
 MDQFLEQALQMNYLENITQLIPIIEAMLHVNNNSADASEKPGQLLEMFKNVEELKEDLRRTTGMS
 15 NRTIDKLLAIPIDNRAEIIISQVFWLHSCDTNITTPKLEDAMKEFCNLSLSERSRQSYLIGLTL
 LHYLNIYNFTDKVFFPRKDQKPEKMMELFIRLKEILNQMASGTHPLLDKMRSLKQMHLPKRSVP
 LTQAMYRSNRMNTPOGSFSTISQALCSQGITTEYLTAAMPLSSQRPKGNHTKDFLTQKLTKEQIA
 SKYGIPIINTTPFCFSLYKDIINMPAGPVIWAFKPMMLGRILHAPYNPVTKAIMEKSNVTLRQL
 AELREKSQEWMDKSPLFMNSFHLLNQAI PMLQNTLRNPFVQVFKFSVGLDAVELLKQIDELDI
 LRLKLENNIDIIDQLNTLSSLTVNISSCVLYDRIQAAKTIDEMEREAKRKYKSNELFGSVIFKL
 20 PSNRSWHRGYDSGNVFLPPVIKYTIRMSLKTATQTRSLRTKIWAPGPHNSPSHNQIYGRAFIYL
 QDSIERAIIELQGRNSQEIIVQVQAI PYPFCFMKDNFLTSSVSYSLPIVLMVAWVVFIAAFVKKL
 VYEKDLRLHEYMKMMGVNSCSHFFAWLIESVGFLLVTIVILIIILKFGNIPKTNNGFILFLYFS
 DYSFSVIAMSYLISVFFNNTNIAALIGSLIYIIAFFFPIVLVTVENELSYVLKVFMSLLSPAF
 SYASQYIARYEEQIGLQWENMYTSPVQDDTTSFGWLCCLILADSFYFLIAWYVRNVFPGTYG
 25 MAAPWYFPIPSYWKERFGCAEVKPEKSNGLMFTNIMMONTNPSASPEYMFSSNIEPEPKDLTV
 GVALHGVTKIYGSQKVAVDNLLNLFYEGHITSLLGPNAGAKTTTISMLTGLFGASACTIFVYKGD
 IKTDLHTVRKNMGVCMQHDVLFSLYLTKEHLLLYGSIKVPHWTKKQLHEEVKRTLKDTGLYSHR
 HKRVGTLSGGMKRKLSISIALIGGSRVILDEPSTGVDPCSRRSIWDVISKNTARTIILSTHH
 LDEAEVLSDRIAFLEQGGRLCCGSPFYLKEAFGDGYHLTLTKKKVFLNLTKESSQKNSAMSLEHL
 30 TQKKIGNSNANGISTPDDLVSSSNFTDRDDKILTRGERLDGFGLLLLKKIMAILIKRFHHARRN
 WKGLIAQVILPIVFTTAMGLGTLRNSNSYPEIQISPSLYGTSXQTAFYANYHPSTEALVSAM
 WDFPGIDNMCLNTSDLQCLNKDSLEKWNTSGEPITNFGVCSCSENVQECPKFNYSPPHRTYSS
 QVIYNLTGQRVENYLISTANEFVQKRYGGWSFGLPLTKDLRFDITGVPANRTLAKVWYDPEGYH
 SLPAYLNSLNNFLLRVNMSKYDAARHGIIMYSHPPYGVQDQEQATISSLIDILVALSILMGYSV
 35 TTASFVTVYVREHQTKAKQLQHISGIGVTCYVWTFNIYDMVFYLPVAFSIGIIAIFKLPAFYS
 ENNLGAVSLLLLLFGHATFSWMYLLAGLFHETGMAFITVVCVNLFFGINSIVSLSVVYFLSKEK
 PNDPTLELISETLKRIFLIFPQFCFGYGLIELSQQSVLDLFLKAYGVEYPNETFEMNKLGA MFV
 ALVSQGTMMFFSLRLLINESLIKKLRLFFRKFNSSHVRETIDEDVDRAERLRVESGAAEFDLVQ
 LYCLTKTYQLIHKKIIAVNNISIGIPAGECFGLLVNGAGKTTIFKMLTGDII PSSGNILIRNK
 40 TGSLGHVDSHSSLVGYCPQEDALDDLVTVEEHLYFYARVHGIPEKDIKETVHKLLRRLHLMFPK
 DRATSMCSYGTKRKLSTALALIGKPSILLDEPSSGMDPKSKRHLWKIIEEVQNKCSVILTSH
 SMEECEALCTRLAIMVNGKFQCIGSLQHIKSRFGRGFTVKVHLKNNKVTMETLTQKFMQLHFPKT
 YLKDQHLMSLEYHVPVTAGGVANIFDLLETNKTALNITNFLVSQTTLEEVFINFAKDQKSYETA
 DTSSQGSTISVDSQDDQMES*